

**TOP SECRET**



MISSION COVERAGE STATISTICS

25X1A

**KH-4 MISSION 1110-1**

**20 - 31 MAY 1970**

TCS-20241/70

JUNE 1970

COPY 209

14 PAGES

MCS-006/70

25X1A

**DECLASS REVIEW by NIMA/DOD**

GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

25X1A

**TOP SECRET**





INTRODUCTION

This publication provides preliminary mission data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data for Mission 1110-1, dated 20-31 May 1970 (GMT).

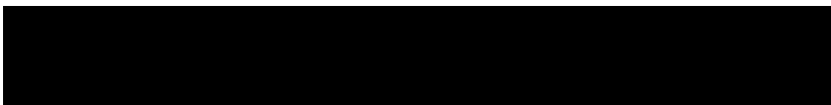
Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

TABLE OF CONTENTS

|  | Page   |
|--|--------|
| Preliminary Mission Data . . . . .               | 2      |
| Greenwich Mean Time of Passes. . . . .           | 3      |
| WAC Coverage . . . . .                           | 5      |
| Coverage of Eurasia and Adjacent Areas . . . . . | 7 - 11 |
| Coverage of Africa and Adjacent Areas. . . . .   | 12     |



## PRELIMINARY MISSION DATA

Mission Number: 1110-1

Launch Date/Time (GMT): 20 May 1970/2135

Photo Dates (GMT): 20,21,22,23,24,25,26,27,28,29,30,31 May 1970

Recovery Date/Time (GMT): 31 May 1970/2230

Operational Photo Passes: 48

Operational Altitude Limits: 87 - 105 Nautical Miles

Photo Scale Range: 1:268,456 - 1:318,328

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles: 43,224
- b. Square Nautical Miles: 5,619,120

Frames:

- a. Operational
  - Fwd-Looking 2,701
  - Aft-Looking 2,702
- b. Stellar 4,624
- c. Index 2,312

Operational Imagery Footage (Fwd and Aft): 13,383

Anomalies: Both the fwd and aft camera photography displays a focus problem and the index record is affected by a severe static fogging. These conditions are explained below.

Vehicle Attitude: Normal

Image Quality:

- a. Main Camera - The image quality of both main camera records is less than that of an average KH-4B mission. The imagery appears sharp and objects are clearly defined at magnifications of 25X or less. When magnification is increased, however, the imagery exhibits an out of focus appearance and begins to breakup. The cause of this condition is being investigated.
- b. Index Camera - The index camera was operational throughout the mission. The imagery, however, is degraded by intense static fogging associated with an 0.7 inch band of scratches located through the center of the film web throughout the mission. At times, the fogging affects up to one half of the format area. The major portion of the record is considered useable.
- c. Stellar Camera - The stellar camera operated satisfactorily throughout the mission.

Cloud-Free Coverage: Approximately 80 per cent of the entire mission is cloud-free.

25X1D

**Next 3 Page(s) In Document Exempt**

EURASIA

Approved For Release 2002/02/28 : CIA-RDP99T01396R000600080001-9

25X1D

Next 4 Page(s) In Document Exempt

Approved For Release 2002/02/28 : CIA-RDP99T01396R000600080001-9



AFRICA



Approved For Release 2002/02/28 : CIA-RDP99T01396R000600080001-9

25X1D

Next 4 Page(s) In Document Exempt

Approved For Release 2002/02/28 : CIA-RDP99T01396R000600080001-9